

No Classes on Monday!

MIT's
Oldest and Largest
Newspaper



The Weather
Today: Partly cloudy, 72°F (22°C)
Tonight: Cloudy, 68°F (20°C)
Tomorrow: Partly cloudy, 70°F (21°C)
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Volume 125, Number 39

Cambridge, Massachusetts 02139

Friday, September 16, 2005

Building 46 Lights Up the Brain

By Hannah Hsieh

Who knows how the natural lighting, bold colors and bamboo forest of the newly-minted Building 46 will affect the research of MIT's leading cognitive scientists.

The building, due to receive its new inhabitants beginning next week, will bring together three previously separate groups of researchers into a space designed to facilitate intermingling. The Department of Brain and Cognitive Sciences, the McGovern Institute for Brain Research, and the Picower Center for Learning and Memory will live under a single roof, creating an intriguing potential for collaboration.

Lost? Just follow the colors

MIT's newest addition is nearly finished and looks about ready to hit the ground running. Following in the footsteps of my tour guide, Ruth T. Davis, communications manager for Facilities, I first discovered the central hub of the building, a magnificent atrium. Located on the third floor of the main flight of stairs of the Vassar Street entrance, the hub includes two seminar rooms and a conference room that will be shared among the three departments.

The new building has many of the "same qualities as the Stata Center, with space for intermingling," Davis said.

The atrium leads into a maze of maroon-painted halls, known as the McGovern wing. The entire building is color-coded according to department; the Picower halls are blue, and the Department of Brain and Cognitive Sciences walls are bright orange.

Each wing contains state-of-the-art laboratories, wireless access, conference rooms, student reading rooms, and clinical space. The Brain and Cognitive Sciences classrooms

are located on the second floor, although classes will not be held there until later in the semester.

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LIANG HONG—THE TECH

Building 46, the new Brain and Cognitive Sciences Center, approaches completion. A soaring central atrium is surrounded by seven floors of mostly research and laboratory space. The building arches over the railroad tracks that run just north of Vassar Street.

Crowding in Dormitories Is the Same As Last Year, Despite Remedial Efforts

By Christine Lee

Undergraduate dormitories are overcrowded by 71 students, said Robin Smedick, assistant director of undergraduate housing.

All dormitories except German House that can accommodate crowding are crowded, she said last Wednesday.

This year's smaller incoming class — 995 freshmen as opposed to last year's 1,080 — should have relieved crowding. Because of a greater number of upperclassmen living in dormitories, however, the number of students in crowded rooms is almost identical, Smedick said. Last year, the number of crowds was 70.

Under normal circumstances some students in crowded rooms would have moved into vacant rooms. Because MIT recently ad-

mitted 11 undergraduate students from schools affected by Hurricane Katrina, however, the Housing Office delayed decrowding.

Crowding a long-term problem

In early 2002, Chancellor Phillip L. Clay PhD '75 vowed to eliminate dormitory crowding, achieving his goal the following academic year. Crowding returned in fall 2003, however, and the undergraduate dormitories have remained crowded since.

Dean for Student Life Larry G. Benedict said in 2002 that crowding was not an option for the MIT housing system. When asked about this pledge, he said that MIT would continue to admit a smaller incoming class and encourage more un-

Crowding, Page 16

Rarified Air Makes Noise at Building 54

By Benjamin Gleitzman

Like any layer of the Earth's atmosphere, the ionosphere provides an abundance of benefits to the human

race, from assisting radio communication to creating the vibrant Aurora Borealis. What's next for this atmospheric behemoth? This week Carolyn J. Bodle SM '05, in conjunction with Haystack Laboratory, is broadcasting ionospheric sonatas from MIT's Green Building, home to the Department of Earth, Atmospheric, and Planetary Sciences.

If thunder is the bowling of the gods, then

you may hear the sound of the gods' pinsetter emanating from Building 54 tonight. By translating waves of plasma running through the Earth's upper atmosphere into audible sounds, the installation transforms

an abstraction of science into a personal experience.

Captivated spectators slow their pace near the installation as they en-

Ionosphere, Page 18



OMARI STEPHENS—THE TECH

Speakers installed on the facade of the Green Building lie dormant overnight. Projecting an aural interpretation of activity in the ionosphere, the Sonification/Listening Up project aims to interest passersby in the complex interactions going on overhead. Following its last daily sounding today from noon to 1 p.m., the project will culminate with the "Sound Off" event this evening from 5 to 7 p.m.

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WORLD & NATION

Afghan Candidate Shot In Leg; Two Backers Abducted

By Carlotta Gall
THE NEW YORK TIMES

KABUL, AFGHANISTAN

A parliamentary candidate was shot in Nuristan province on Wednesday morning, and two of her supporters were kidnapped, in an attack before the national election on Sunday, local officials said on Thursday.

The candidate, Hawa Alam Nuristani, an anchorwoman on the state-run Afghan Television and Radio in Kabul, was traveling by car to a campaign meeting in Nuristan, her native province, in the east when she was injured.

"They came under attack by unknown people," the provincial police chief, Gen. Abdul Baqi, said by phone. "She received four rounds from a pistol in her leg. Two others with her, supporters filming her campaign, were kidnapped."

Another woman, the representative of the Women's Affairs Ministry in Nuristan, was in the car, but was not injured, Mohammad Tamim Nuristani, the governor of the province, said.

New Iran Leader Promises 'New Proposals' to End Nuclear Impasse

By Steven R. Weisman and Warren Hoge

THE NEW YORK TIMES

President Mahmoud Ahmadinejad of Iran told a breakfast gathering on Thursday that his country would present "new proposals" shortly to break the impasse with Western nations over Iran's nuclear programs. He insisted that Iran would continue to pursue a nuclear energy program for peaceful purposes.

At the United Nations on Thursday evening, the Iranian president met with Secretary General Kofi Annan and the foreign ministers of Britain, France, Germany, and the European Union and told them he would be making the details public in a speech to the General Assembly on Saturday.

Emerging from the evening meeting, Jack Straw, Britain's foreign secretary, said: "What we are going to do is to listen carefully to what the president says Saturday afternoon and take it from there."

His Saturday speech is expected to outline a new proposal aimed at resuscitating stalled negotiations with Britain, France, Germany, and the European Union over Iran's suspected nuclear arms program.

Microsoft And Time Warner Said To Be in Talks on Internet Pact

By Saul Hansell

THE NEW YORK TIMES

Microsoft and Time Warner have explored a variety of possible combinations of the MSN Internet portal with Time Warner's America Online, including a merger of the two units into a new company that would be jointly owned, according to several people involved in the talks.

The discussions were initiated by Microsoft, which has Google, its new archrival, clearly in its sights. Microsoft is trying to focus its Internet operations on its developing Web search product rather than its Web portal and Internet access business, which it no longer sees as strategically important.

Microsoft offered to sell its MSN Internet portal and dial-up subscriber business both to America Online and to Yahoo, according to several people with knowledge of the talks. While Yahoo considered and quickly rejected the proposal, Time Warner, the parent of America Online, expressed interest. Top executives at Time Warner and Microsoft held discussions on a variety of potential transactions as recently as three weeks ago. Those talks, however, are on hold as Microsoft considers its strategic position, people involved in the discussions said.

Representatives of Time Warner, Microsoft and Yahoo declined to comment.

In Katrina's Aftermath, Bush Confronts Problems at Home

By Richard W. Stevenson
THE NEW YORK TIMES

WASHINGTON

George W. Bush, whose standing for the last four years has rested primarily on issues of war and peace, introduced himself to the nation on Thursday night in an unfamiliar and somewhat uncomfortable new role: domestic president.

The violence of Hurricane Katrina and his faltering response to it have left to Bush not just the task of physically rebuilding a swath of the United States, but also of addressing issues like poverty and racial inequality that were exposed so rawly by the storm. The challenge would be immense for any president, but is especially so for Bush. He is scrambling to assure a shaken, angry nation that he is not only up to the task but that he understands how much it disturbed Americans to see their fellow citizens suffering and their government responding so ineffectually.

So for nearly 30 minutes, he stood in a largely lifeless New Orleans and sought to show that he appreciates the suffering, and to recast his presidency in response to one of the nation's most devastating disasters. He spoke

of housing and health care and job training. He reached with rhetorical confidence for the uplifting theme that out of tragedy can emerge a better society, and he groped for what he lost in the wind and water more than two weeks ago, his well-cultivated image as a strong leader.

It was not the president's most stirring speech, but it conveyed a sense of command far more than his off-key efforts in the days immediately after the storm, when Bush often appeared more interested in bucking up government officials than in addressing the dire situation confronting hundreds of thousands of displaced, desperate and scared people.

To those in need of immediate help and to those confronting lives that will remain upended for weeks or months or longer, he offered an expansive government safety net of specific programs, from paying the costs of reuniting families to a commitment to moving everyone out of shelters into housing by mid-October.

Doing so marked a distinct shift for a president whose perceived hostility or indifference to government's role in social welfare, manifested in budgets that have routinely sought to

cut such programs or rein them in, has long been a flash point in his relationship with poor and minority voters.

But if this was big government, it was at least in part on his ideological terms: Federal reimbursement to allow displaced students to attend private and parochial schools, tax-free business zones, a call for charitable and religious organizations to continue with relief work. Having no choice but to open the fiscal floodgates, he sought to reassure nervous conservatives that he would guard against fraud and waste.

And when it came to the issues hardest to address and most in need of sustained commitment, new ideas and risk-taking leadership — the gap between rich and poor, its causes and consequences, its racial components — he was less effective.

"We have a duty to confront his poverty with bold action," he said.

Yet he spoke of "deep, persistent poverty" as something the nation had seen on television rather than as a condition that many of its citizens had lived in for generations. He defined the problem as regional rather than national, and offered only regional rather than national solutions.

North Korea Demands Reactor In Exchange for Nuke Program

By Joseph Kahn
THE NEW YORK TIMES

BEIJING

North Korea on Thursday refused to drop a new demand that the outside world build it a nuclear reactor before it dismantles its nuclear weapons, leaving six-nation negotiations here on the verge of collapse.

The United States and North Korea identified its demand for a light-water nuclear reactor as the main sticking point in the talks, which have continued fitfully over two years and failed to produce even a joint statement of principles to guide future negotiations.

While this round of talks will continue for at least another day, Christopher Hill, the chief American negotiator, made clear on Thursday that the gap had widened over three days of discussions and that the prospects for a breakthrough were

slim.

"The only thing North Korea is interested in discussing is a light-water reactor," Hill said. "No country is going to provide North Korea with a light-water reactor. So we have reached a bit of a standoff."

The stalemate confronts the Bush administration with an unhappy choice — continue indefinitely with negotiations that have produced no result, or seek to build a consensus to impose international penalties on North Korea against the wishes of most countries in the region.

One goal for the United States in these talks, analysts say, is to demonstrate enough sincerity and flexibility to convince Asian nations, especially China and South Korea, that fault for what has happened lies with North Korea and that imposing penalties is now the only viable option.

North Korea is seen as having

the opposite objective. It is eager to show that it wants to dismantle its nuclear weapons program and would certainly do so but for the unreasonable demands of the United States, which it accuses of having a "hostile policy" aimed at overthrowing its Stalinist government.

Those competing agendas were on full display on Thursday. The United States said that the other four regional powers participating in the talks, South Korea, Russia, Japan, and the host, China, agreed that North Korea's condition that it receive a reactor before ending its weapons program was impossible to meet.

North Korea, in contrast, said that all the other parties had agreed that it was justified in requesting a new light-water reactor and that only the United States had refused to discuss the matter.

WEATHER

Ophelia is Coming to Visit

Roberto Rondonelli
STAFF METEOROLOGIST

After a long dry spell, Boston received almost an inch of rain yesterday. The humid weather will continue during the next few days because of the influence of a relatively stationary cold front and blocking high pressure over the Atlantic.

As the weekend advances, Ophelia should make its appearance, sitting off the coast of New England by Saturday afternoon. Although a storm track passing over land in New England seems unlikely, parts of the Cape will be under watch for tropical storm force winds (winds of more than 39 m.p.h. (62 km/h)).

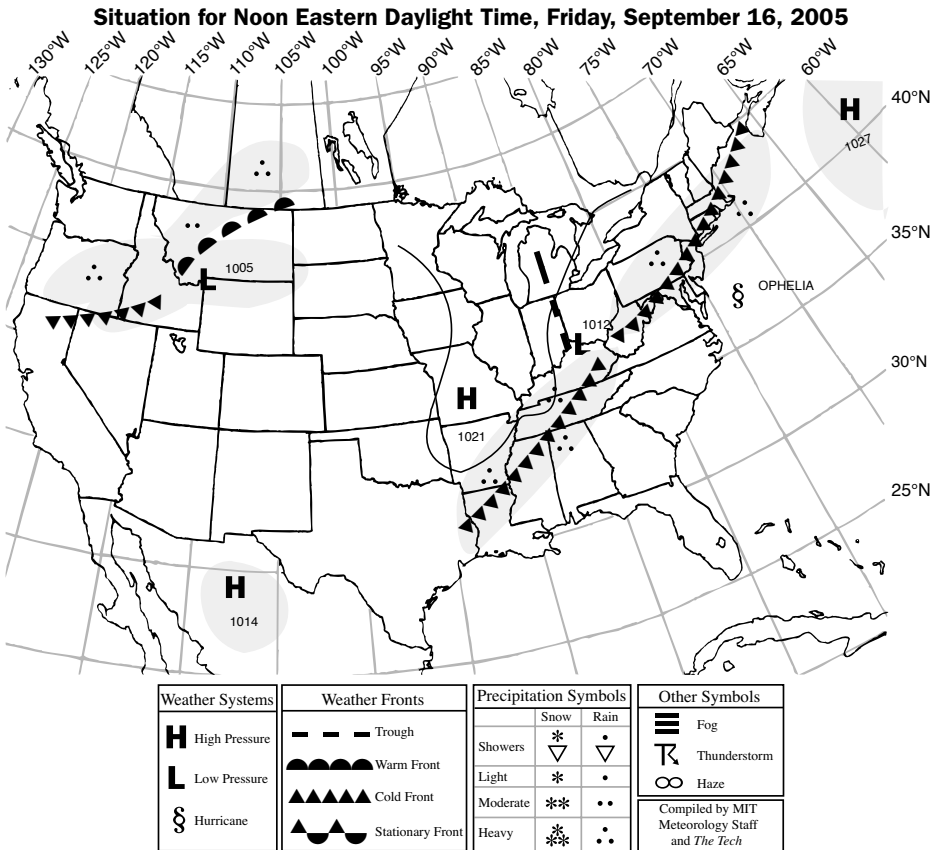
Most of the model runs predict Ophelia will have a small core with tropical storm force winds constrained to a region of a few hundred kilometers in diameter. However, the influence of Ophelia if not in wind will still be evident especially during Saturday with cold and wet conditions. Certainly a not very welcome advance of the upcoming fall.

Extended Forecast

Today: Partly cloudy. Rain showers likely. High 72°F (22°C).

Saturday: Cloudy. Rain showers. Breezy. Low 60°F (16°C). High 68°F (20°C).

Sunday: Partly cloudy. Rain tapering towards the afternoon. Low 58°F (14°C). High 70°F (21°C).



OPINION

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Katrina: Ravaging Logic

Sept. 13's *Tech* treats us to an entire page of op-eds trying to make us feel bad for not doing more to help victims of Hurricane Katrina. In an abstract sense, I pity the victims of the hurricane and think that everything should be done to ensure their physical safety, but I do not intend to support any rebuilding efforts. I thus put myself squarely in the callous and self-ish demographic the authors condemn. Here's why:

¶The location of New Orleans doesn't make much sense. The city is below sea level, and periodic flooding, occasionally of catastrophic magnitude, is inevitable. America needs a few "party cities" famous for their debauchery, cheap alcohol, and great food, and New Orleans should be rebuilt — just perhaps somewhere else. Paying for the city to be rebuilt in place will simply encourage the same caution-to-the-wind disregard for Mother Nature that caused this tragedy in the first place. My response to a hurricane hitting Detroit would be quite different, as it would be unexpected. (People have known for 100 years that a big hurricane would eventually devastate New Orleans.)

¶The federal government will spend between \$100 and \$150 billion on relief efforts, which would amount to \$500 for every man, woman, and child in the United States. Now that Uncle Sam has opened my wallet and taken out \$500, I am loath to open it again.

¶Reputable charities like the American Red Cross burn a tremendous amount of money in overhead. Smaller charities are hard to track and remain largely unaccountable for their activities. There is no good way to donate money and have all of it put to good use.

¶MIT students can go down and help directly if they feel like they gain some personal

benefit from it, but in the big-picture analysis this is inefficient. Spindly nerds wearing Slash-dot T-shirts are more productive in the lab than they are knee-deep in muck; a single trained rescuer, nurse, or social worker will probably be 10 times as useful as an average MIT student.

¶I have heard that the thousands of people who stayed in New Orleans during a mandatory evacuation order were too poor to have the means to get out of the city. In most cases, these poorest residents work labor-intensive service and manufacturing jobs, and if New Orleans is depopulated and Baton Rouge doubles in size, most of them will be able to follow this population shift and find jobs in the new fast food restaurants, garment factories, etc. that are likely to follow. It is in fact the highest-paid jobs (medical practices, law firms, universities) that are hardest to relocate.

—Amal K. Dorai G

Building a New National Guard

I think many people realize that Katrina is likely to be the norm for hurricanes to come, partly because of cyclical patterns, and partly because of global warming. Either way, there should be only one option: learn from the past; plan and build for the future. If we look at the recent history of the U.S. (everything from outsourcing job loss, massive federal deficits, trade deficits, foreign energy dependence, the greenhouse effect, too many poor unemployed people, \$500 billion spent in Afghanistan and Iraq), then it seems logical for us to try something different for a change.

We must make it desirable to sign up for national service. We need to convince people that

the government is of the people, by the people, and for the people. Most people do not have large guaranteed incomes; it's time we trickle up.

New positive laws must be passed. First of all, the U.S. should not run a trade deficit of more than one percent of the GNP per year, and the total accumulated deficit should not be more than 10 percent. The "free market" only leaves the door open for free pillaging. Secondly, the National Guard should only be deployed on U.S. soil. Third, as part of their training, the National Guard should organize citizens in projects that teach teamwork and community service. Nationwide, it's time a massive network of bike and walking paths be built to help solve the problems of energy consumption and obesity.

Like any good hypothesis, we need an experiment to test it: the new national Guard should coordinate rebuilding New Orleans as a model city of the future. The emphasis should be on walkways, bike paths, and trolley cars. Motorways for cars should be highly discouraged. All structures should have rooftop hot water solar collectors and green roofs (rooftop gardens) to reduce energy consumption. Structures in flood zones need to be built on stilts and clustered together. This will leave more open space between buildings for gardens. The space underneath can be used for recreation. Trash would be collected, recycled, and composted to generate natural gas barrier islands that must be rebuilt. If we help nature, nature will help us.

Casting blame will get us nowhere. Let us use the New Orleans tragedy for positive change before we are all flooded with debt and swept away into the annals of history. Everyone should write their congressman, senator and president and ask for positive change!

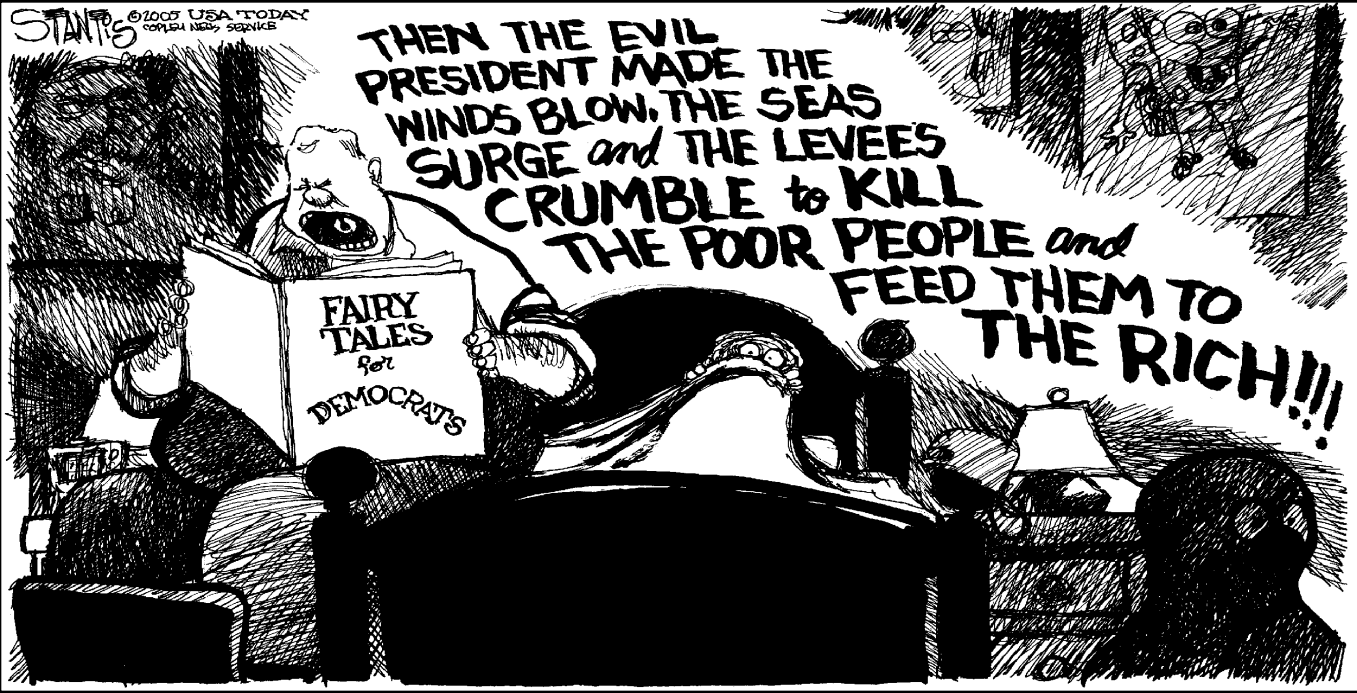
—Alexander H. Slocum '82

Professor of Mechanical Engineering

Corrections

An article on Tuesday about campus housing prices incorrectly attributed rent increases for '05-'06 to a transition to cover all housing costs through rent income. Housing prices on campus rose this year in large part because of an increase in utility costs; rents were raised the previous two years ('03-'04 and '04-'05) in the course of the transition, in addition to other cost increases that occur annually.

An article on Tuesday about the dormitory telephone service plan transition incorrectly stated that the transition had already happened. In fact, the transition was scheduled for Monday, Sept. 12, began on Tuesday, Sept. 13, and finished on Thursday, Sept. 15; it did not occur on Sept. 6. The same article stated that transferring incoming off-campus calls to restricted dormitory phones was not possible. That fact should have been attributed to IS&T's Allison F. Dolan, and those transfers did in fact still work, as of yesterday.



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Dissents are the opinions of signed members of the editorial board choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted.

The Tech reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

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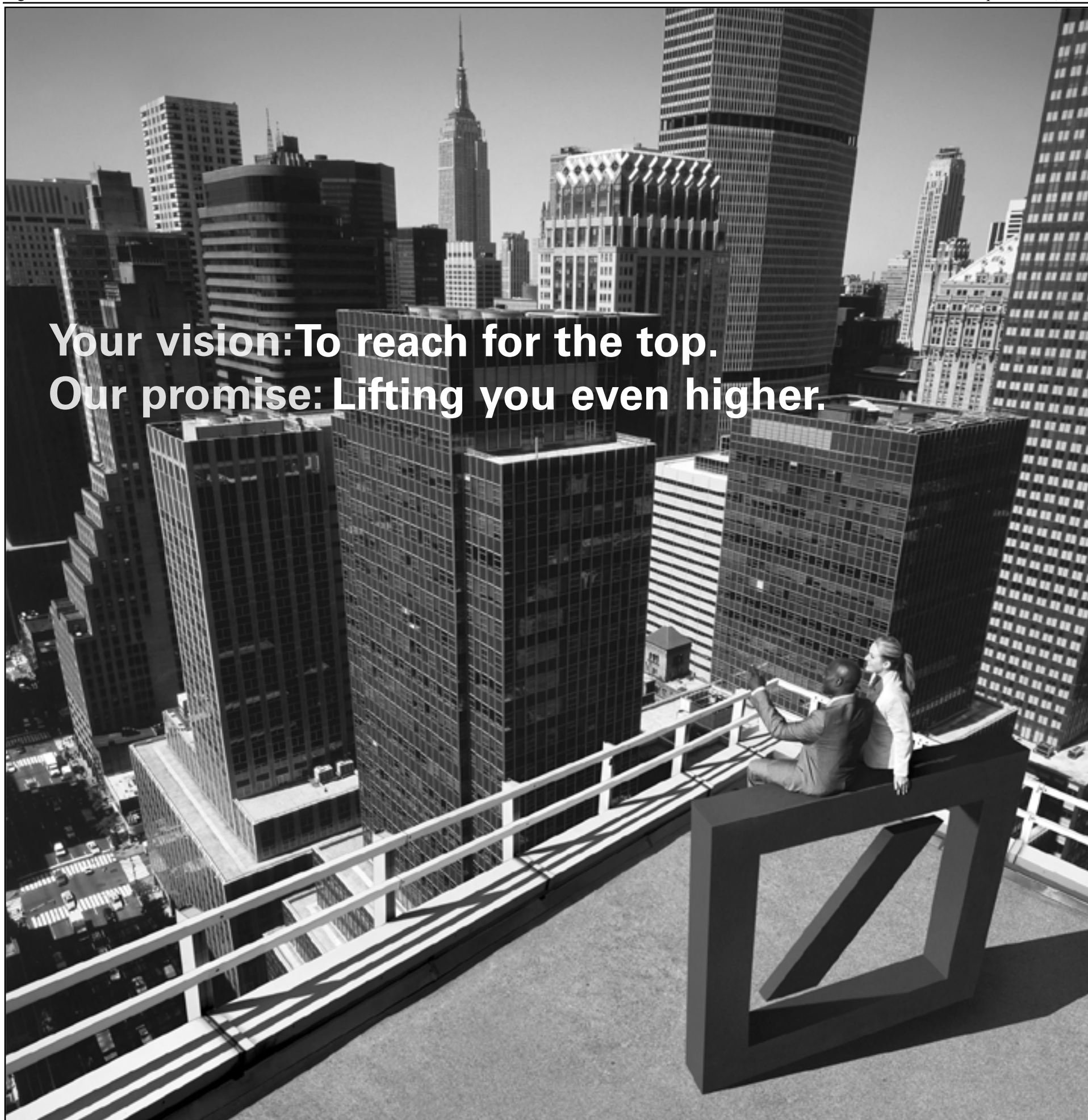
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ARTS

ART REVIEW

Find Paradise Through the Lens of Ansel Adams

Photographs On Display at Museum of Fine Arts

By W. Victoria Lee

STAFF WRITER

Ansel Adams Exhibit

Museum of Fine Arts, Boston

Through Dec. 31, 2005

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Wed.–Fri. 10 a.m.–8:30 p.m.

Adults: \$22; Seniors: \$20; Students: free

Audio Guide \$6

A blooming rose on a heavily textured driftwood.

Such an unlikely combination brings out an unexpected tenderness and a moment of serenity not easily experienced in everyday life. This is a photograph taken by one of the most beloved American photographers, Ansel Adams. You've probably seen this piece, entitled "Rose and Driftwood," on a calendar, a postcard, or even a coffee mug. Now experience it up close and personal at the Boston's Museum of Fine Arts.

Ansel Adams (1902–1984) was not born a photographer. The only child of an affluent family, the home-schooled Adams was shy

and found sole companionship in music and nature. A native of San Francisco, Adams was an avid hiker and joined the Sierra Club at an young age. The Yosemite Sierra became his second home. Amid the mountains and forests, Adams discovered a paradise and met life-long friends, as well as his wife, Virginia Best.

Adams fell upon photography accidentally when his parents gave him a Kodak No. 1 Box Brownie, which had just come into fashion and affordability, to document his hiking trips. The rest was history. However, Adams' distinct style was not an overnight development. From the earliest "Pictorial" photographs, whose blurry images and soft edges mimic an impressionist painting; to the mature, practically unmanipulated works done a la "straight photography," Adams was influenced by a circle of photographer friends, including Alfred Stieglitz. The exhibit at the MFA, drawn from the world's largest private collection of the photographer's works, shows the artistic progression of this American icon.

Covering works from the 1920s up to Ad-

ams' death, the exhibit showcases both the well-known works and the lesser-seen. Hanging side by side are images of the American West, Southwest, as well as some of the East. Among the familiar pictures of precipices and mountain peaks lie the rare pieces of portraits and cityscapes. But regardless of the subjects of the photographs, the pieces are not merely precise and beautiful recordings of the land and its people; they are also powerful captures of feelings. All it takes to release the emotion is to stand in front of the photographs.

Although all of Adams' works are in black and white, the tonality and choice of angles can speak loudly and clearly by themselves. Armed with a light meter and knowledge of dodging and burning techniques, Adams did not record with a camera; he created with light. There was little need to manipulate the subject or anything else. Adams' lens unleashed in the two-dimensional realm the splendor, majesty, and awe that sometimes can only be felt through physical encounters with nature.

Colors would be superfluous here; anyone with sight can see the natural environment, but it is the experience of nature that only Adams was able to recreate on paper.

Recreating may be an understatement, as among the masterpieces are many that not only recreated but also perpetuated the fleeting moments of nature's beauty. An example would be "Moonrise, Hernandez, New Mexico" (1941), a fortuitous capture of the instant when the sun and the moon exchange places in the sky. The day this photograph was taken, recalled Adams' son, Michael, who was sometimes his father's non-technical assistant, Adams was not able to find his light meter and therefore could not precisely calculate the exposure time. Fortunately, he was able to remember the luminance of the moon and perform a quick mental calculation. As the shutter was released the sun went below the horizon. The one and only take of this rare moment then became one of Adams' most beloved images.

Adams' capture of the still landscape proved to be equally moving. A gelatin silver print of aspens at the exhibit is exemplary



ANSEL ADAMS

"Aspens, New Mexico," an example of Adams' later works, is on exhibit at Boston's Museum of Fine Arts.

of the enchanting eloquence Adams' photographs reveal. The trunks of a group of aspens are prominently picked out against the darker woods behind. A mysterious ambience seems to veil the picture, yet at the same time a spiritual sense of serenity is inevitably evoked. One cannot help but be moved, if not captivated. Although most of the prints in the exhibit are not large enough to saturate the viewers' eyes, the emotional immersion prompted by the images is nonetheless overwhelming.

In addition to photographs, the exhibit featured footage of Adams' mountain climbing shot by Virginia Best, some cameras of his time, a few books he published, and a short video about Adams' personal life and work environment. The audio guide, available for six dollars, features Adams' reflections of his own work, as well as interviews and commentaries by Michael Adams, his son, and the collector, Sandra B. Lane, who has had the pleasure of meeting Adams in person.

This exhibit is on display through Dec. 31, 2005. For more information, go to <http://www.mfa.org>.



ANSEL ADAMS

"Rose and Driftwood," a piece inspired by a rose Ansel Adams' mother gave him from her garden.

CLASSICAL REVIEW

John Williams Performs Tribute to Composers

Boston Pops Captivate Thousands with Film Music at Tanglewood

By Kevin Der

ARTS EDITOR

Film Night at Tanglewood

Boston Pops Orchestra

John Williams, conductor

Stanley Donen, special guest

Josh Groban, vocalist

Saturday, Aug. 27, 2005

One of my favorite musical venues is Tanglewood, the summer home of the Boston Pops. Its wide, sweeping greens, numerous performance arenas, and beautiful views of the Berkshire Mountains make it a magical place for musical exhibition. For concerts taking place at the outdoor Koussevitzky Shed, thousands of music lovers make the Tanglewood lawns their picnic area, bringing elaborate setups complete with real furniture, food and wine, and even light fixtures.

There were tens of thousands of people in attendance for this film music concert, which John Williams has conducted as an annual tradition for many years. Williams recently composed the scores for the films "Star Wars Episode III" and "War of the Worlds," and is reported to be working on the scores for Spielberg's upcoming "Munich," as well as Rob Marshall's "Memoirs of a Geisha." Unfortunately, Williams left the Harry Potter franchise after scoring the first three films. As terrible news as this is, I found some consolation in experiencing his live concert this year.

The program opened with Alfred Newman's ubiquitous "20th Century Fox Fanfare." Hearing it live from the Boston Pops is a completely different experience than in the theater. Huge snare drums and horns projected out

over the lawns, startling me. It was an enormous sound. Williams immediately followed with Korngold's march from "The Adventures of Robin Hood." The piece begins with a cymbal crash, leading into the main theme in the horns. Supported by tambourines and other percussion, it gives way to low brass lines and then a sweeping melody in the strings. Played tightly and boisterously, the piece was a fine opener, but there are other equally fine opening pieces Williams has used before, such as Herrmann's "The Death Hunt" from "On Dangerous Ground."

Williams followed with three pieces in tribute to three composers who recently passed away. Jerry Goldsmith's "Star Trek: The Motion Picture" was marvelously performed — the horn fanfares impeccably played, driving forward at exactly the right tempo. It was quite a treat to hear Williams performing Goldsmith. Raksin's "Laura" followed, which Williams frequently draws out from his repertoire, featuring concertmistress Tamara Smirnova, whose projection is so considerable I'm positive I can hear her instrument even when she's playing with the other violins. Finally, Elmer Bernstein's "Magnificent Seven" was quite good, both energetic and lively.

The rest of the first half was a tribute to Stanley Donen, a long-time film director who has worked with Fred Astaire and other legendary actors and actresses. Donen, who appeared on stage to share anecdotes of his films, chaffed with Williams comically, drawing laughs from the audience. Williams accompanied footage (projected overhead) of five songs from five films, in each demonstrating his incredible skill of perfectly synchronizing the orchestra with the film. In "Bless

Your Beautiful Hide" from "Seven Brides for Seven Brothers," the orchestra matched leaps, jumps, and steps with the dancers on screen — the musicians' notes exactly accompanied every footfall; it was simply astounding to watch and hear. Williams accomplished similar feats scoring Gene Kelly in "Singin' in the Rain." My favorite of these songs was Fred Astaire's dance in "Royal Wedding," in which he dances up the walls and on the ceiling in his apartment. Donen lovingly explained this choice — he wanted to physically show Astaire completely in love with a woman, and hence the dance on the ceiling. The entire room, including the furniture and the camera shooting it, had to be bolted down onto an apparatus that turned like a hamster wheel, with Astaire dancing inside.

The second half began with Williams' march from "Superman," which was slightly under tempo, but still marvelous to hear live. Then came Josh Groban, a young, up-and-coming star vocalist, who performed with Williams at Symphony Hall in 2001. His performance here might have been more enjoyable if hundreds of self-named "Groban-nites," his fan base, were not at the concert. Grown men and women, they crowded the shed wearing name badges and clutching glow sticks, and wouldn't stop shouting when Groban came on stage.

Groban's first song was his best, the love theme from "Cinema Paradiso," which Williams loves to perform as a purely orchestral piece. Impressively, Groban sang the Italian lyrics well, though he just couldn't go wrong with one of the most beautiful themes ever written. He followed with "Mi mancherai" from "Il Postino," which was enjoyable, "Gira

con me," and, revoltingly, "Remember" from James Horner's score for "Troy." When Groban sang Don Maclean's "Vincent," the Groban-nites broke out the glow sticks over their heads, attempting to wave them together in a synchronized fashion, but failing miserably. I was strongly reminded of seven-year-olds at a birthday party who did similar things at a theater screening of "Harry Potter and the Sorcerer's Stone." In general, Groban has a pleasing voice, but he failed to hit his highest notes and seemed to jerk his head awkwardly when doing so.

Williams followed up with more of his own music accompanying a film montage. He opened with "Journey to the Island" and "The Raptor Attack," both from "Jurassic Park." The transition to "Holiday Flight" from "Home Alone" was a bit awkward since the "Jurassic Park" footage continued for a few extra seconds. I was hoping for "Somewhere In My Memory," but we didn't get it. Some great footage from the mothership scene in "Close Encounters" was next, but strangely, the music for the rousing finale was cut short right at the climax and clumsily transitioned into the five-note communication theme. The montage concluded with a mediocre second half of "Harry's Wondrous World." As usual, Williams accepted the encore invitation with the "Flying Theme" from "E.T."

This concert was quite satisfying, and far superior to the choked film concert Bruce Hangen gave at Symphony Hall in May. When the Maestro is around, there's no fooling around.

The Boston Symphony Orchestra begins its 2005–2006 season at Boston's Symphony Hall on Sept. 30.

CONCERT REVIEW

Sufjan Stevens Invites Somerville to Feel the ‘Illinoise’

Band Wows with Versatility and Folk Sensibility

By Mirat Shah

Sufjan Stevens
Somerville Theater
Thursday, Sept. 8, 8 p.m.

As an aspiring musician, Sufjan Stevens created recordings dedicated to the nine planets, 12 apostles, four humors, and 12 animals of the Chinese zodiac. As his fame grew, so did his ambition. Two years ago, he began a project to compose an album for each of the 50 states, starting with his home state, Michigan. On Thursday Sept. 8, he performed at the Somerville Theater as part of his second installment, “Come on feel the Illinoise,” a tribute to the state of Illinois.

Sufjan Stevens showed that not only is he a talented musician, he is also a master showman. For his first number, “The 50 States,” a humorous introduction to the project, he sported a star-spangled jumpsuit. He then ripped it off

to match the Fighting Illini orange and navy cheerleading uniforms worn by his bandmates (dubbed the “Illinoisemakers”). Stevens and his band prefaced many of their songs with clever, funny, and sometimes nonsensical cheers they had written and choreographed. They had both the chutzpah and self-deprecatory sense of humor to pull them off, and each routine drew appreciative chuckles.

The versatility displayed by Stevens and the Illinoisemakers would make Deion Sanders proud. They began with their song “Come on feel the Illinoise,” which features bouncy horn and piano parts and a snappy, upbeat chorus; with Stevens belting the melody, it sounded like a Broadway musical number. From then on, the band was simultaneously a rock band, folk group, chorus ensemble, and small orchestra, often within the same song, as in “Metropolis.” This variety held the audience’s attention, with each new twist in style eagerly anticipated

throughout the night.

The Illinoisemakers were not only versatile in the genres they could play, but also in their musicianship. Several songs featured the trombonist playing the banjo, the pianist playing the guitar, and so on, with every member of the ensemble capable of harmonizing with a different melodic voice. This game of musical chairs was exciting in “Chicago,” which had many interesting instrumental parts. The recorded version, which uses an orchestral ensemble and chorus, is beautiful, but witnessing the band recreate this rich sound live is far more impressive.

Several songs stood out in this themed concert. “Casimir Pulaski Day” (an Illinois state holiday) reminded the crowd that Stevens is a folk songwriter at heart. For the first time, Stevens made the theme “Illinois” personal, singing about a girlfriend with cancer. His detail was absolutely exquisite in lines like “In the morning through the window shade/ When the

light pressed up against your shoulder blade/ I could see what you were reading.” The audience hushed to capture each line of the song, which Stevens sang in a resonant, yet wistfully poignant voice.

The second standout song was “Happy Birthday,” from an earlier album, which Stevens sang with heartfelt sincerity to commemorate his bandmate’s birthday, while the other Illinoisemakers brought out a cake with lighted candles.

From the costumes, to the chants, to the repartee with the crowd, to the instrumental solos, to the stellar songs, Sufjan Stevens and the Illinoisemakers reminded the audience what is so great about seeing a favorite band live. For many rock bands, it doesn’t matter if you see them live or listen to their albums; they show up, sing their hit songs, emotionlessly play their guitar solos, and then leave, without engaging the audience. With Stevens, the experience could never be duplicated at home on a CD player.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

★★★★: Excellent
★★★: Good
★★: Average
★: Poor

★★1/2 **40-Year Old Virgin, The**
Andy Stitzer (Steve Carell) is the consummate dork who collects action figures, bikes to work, and stays far away from women. Without any friends, there’s no one to tell him what he’s missing. The generally artificial scenes and outrageously unbelievable characters are not noticed much because the movie makes you laugh so hard that you can barely put more popcorn in your mouth. (Yong-yi Zhu)

★1/2 **Aristocrats, The**
This film features Hollywood notables delivering and analyzing what co-creator Penn Jillette touts as “the dirtiest joke you will ever hear.” And with the rabid incest, bestiality, child rape, and bodily fluids (and solids), hopefully it is. The joke — too vulgar to repeat in any form here — isn’t even funny. (Kathy Lin)

★★ **Broken Flowers**
Bill Murray is Don Johnston, a modern-day

Don Juan who one day discovers an unsigned letter in a pink envelope — one of his relationships 20 years ago apparently yielded a son. He embarks on a cross-country journey to visit four former girlfriends and hopefully find the anonymous mother. The lack of a convincing plot, and more importantly, a point, means that those two hours of your life are better spent elsewhere. (Kelley Rivoire)

★★★★1/2 **Brothers Grimm, The**
The movie follows the adventures of the brothers Grimm, the fairy tale authors who go around French-occupied Germany at the end of the 18th century ridding villages of evil that their buddies are cooking up. But their adventures take a turn for the worse when the French government summons them to investigate what appears to be genuine witchcraft evilness. Humor, adventure, and crazy violence ensue. (Bill Andrews)

★★★ **Charlie and the Chocolate Factory**
Willy Wonka invites five children to his factory by hiding golden tickets in random chocolate bars. You have naughty kids getting their just desserts, a good kid rewarded with a happy ending, and lots and lots of chocolate. Talk

about a win-win situation. (Bill Andrews)

★★★★ **March of the Penguins**
Capturing a range of stunning images from the lighthearted, with penguins coasting along the ice on their bellies, to the majestic, with a seemingly infinite line of penguins marching to the sea and jagged walls of ice, this documentary surely pulls at the heartstrings of all who watch it. (Kelley Rivoire)

★★★1/2 **Murderball**
Murderball, the original name of quadriplegic rugby, was invented in Canada in 1979. The movie excels most when it relates the lives of its players to ours through familiar activities. Moreover, it gracefully portrays the impact of the sport on the journey quadriplegics travel, from coping with their condition to parenthood. (Kapil Amarnath)

★★ **Must Love Dogs**
John Cusack and Diane Lane, both recently divorced, predictably fall in love after a bumpy initial relationship, the result of meddling on the internet by pushy friends and family. My showing was attended primarily by groups of old ladies and slightly awkward, lonely-looking men,

and unless you fall into one of those groups, I’d suggest skipping this one. (Kathy Lin)

★★1/2 **Red Eye**
It’s 2 a.m., your flight’s been delayed three times already, and you have a fear of flying to boot. And on top of that, the cute guy you were flirting with before boarding turns out to be a sadistic freak working for terrorists. If you can relate, then perhaps Red Eye is the right movie for you. Even though it is a thriller, and not the traditional horror we’ve come to know and love from director Wes Craven, there are still many scares and suspenseful moments. (Bill Andrews)

★★1/2 **Wedding Crashers**
Owen Wilson and Vince Vaughn never seem to do their real jobs as divorce mediators; instead they crash weddings on a regular basis (going to weddings uninvited, drinking free booze, and meeting, then sleeping with girls there). If you’re looking for a lighthearted summer comedy with some stupid humor and superfluous sex, then “Wedding Crashers” may be the perfect movie for you. (Yong-yi Zhu)

Compiled by Kevin Der



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An informational meeting is scheduled for **Tuesday, September 20 at 4:00 pm in 1-132**. The contact person is Professor Anne McCants, amccants@mit.edu, 617-258-6669.

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by Emezie Okorafor

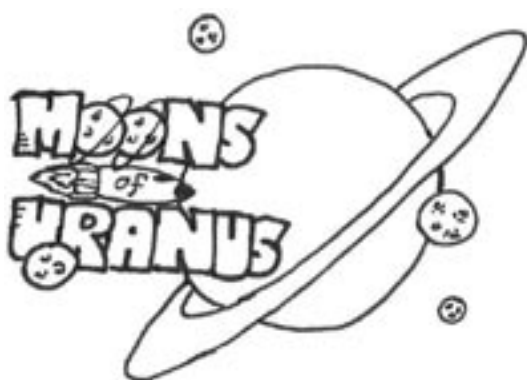


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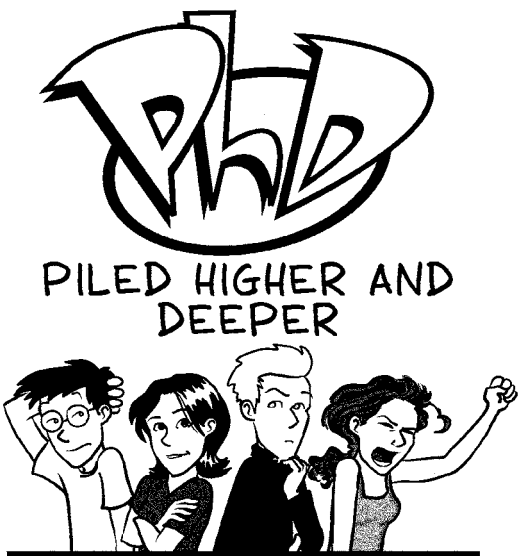


... that it is against the law to catch fish
with your bare hands in Kansas?

KRT Crossword

Solution, page 22

Solution, page 22



Dilbert® by Scott Adams

FoxTrot by Bill Amend

Bonus Crossword
Solution, page 21

Building 46 Features Stata Center Views From Bamboo Forest

BCS, from Page 12

The building is designed in a “racetrack style,” with the halls forming a loop around the building. It was fairly easy to find our way around, and if I were ever to get lost I could just look at the color of the wall.

Glass, anyone?

One of the major aesthetic features of the building is the amount of sunlight flooding through the large windows on every floor. The atrium itself is also bathed in natural light from its glass ceiling, which reaches 90 feet up through the seventh floor.

From a third floor office overlooking Main Street, Davis pointed out that many of the window panes are held together with metal pins. Known as glass fins, this architectural method maximizes the amount of light and avoids the usual large hefty support columns that can obstruct the view.

I was surprised to discover that the new building is also environmentally friendly. The building is equipped with a water recovery system similar to that of the Stata Center, which uses runoff from the roof to supply the toilets.

The building even has its own bamboo and palm tree forest in the conservatory on the fifth and sixth floors that directly faces the Stata Center. Vines will eventually clamber up the vertical cables that line the left wall.

The railroad tracks running through the building are another unique feature, one which posed a real MIT architectural challenge. The architects conducted vibration studies to assure that trains running through the building would not disrupt the laboratories. However, the trains travel so slowly that “when they run through the building, you can walk faster than they go,” Davis said.

The building, which has a capacity of 700 people, was co-designed by Boston’s Goody, Clancy and Associates, which also created MIT’s Building 18. The exterior of the building was designed by Charles Correa Associates; Correa is a professor of architecture here.


The staggered move-in process is slated to begin Sept. 21, with completion of the move expected by the end of October. There will be a formal dedication on Dec. 2, and the Department of Brain and Cognitive Sciences is also holding a symposium on Dec. 1 to celebrate its fortieth year as part of MIT.



Building 46, the new Brain and Cognitive Sciences Center, nears completion. A soaring central atrium is surrounded by seven floors of mostly research and lab space. The building arches over the railway running north of Vassar St.

(Clockwise from top-right)
The bright orange walls indicate a Department of Brain and Cognitive Sciences area.
A laboratory space remains brightly-lit with the overhead fluorescent lights turned off.
The railway runs beneath the building.
A two-story green space overlooks Vassar St. and the Stata Center.
A classroom features a metal lectern and a pair of large whiteboards.
The Vassar St. entrance evidences the amount of glass being used in the building.

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A Guide to Upcoming Fundraising Events for Katrina

Event	When	Where	What
Blood Drive	Today	Student Center, La Sala de Puerto Rico on the second floor	
Disaster Relief Day	Tomorrow, noon to 5 p.m.	Stata Center, Wang Fitness Center	Participate in group exercise classes, work out on the fitness equipment, or swim in the pool. \$5 donation per person for entry.
Sloan fundraising drive	Ends today, 5 p.m.	Sloan building, E51, at booth	Has raised almost \$11,000 so far.
Public Service Center fundraising drive	Ends today	Public Service Center booth in Lobby 10	The PSC will continue to accept donations at its office in 4-104 throughout September
Fundraising Dinner	Tomorrow, 6 p.m.	Student Center, La Sala de Puerto Rico	Southern-style food, with a minimum donation of \$15.
Katrina T-Shirts	Begins Monday: 7:30 a.m.–9:30 a.m., 11 a.m.–1 p.m., 3:30 p.m.–5:30 p.m.	Student Center	T-shirt has an outline of U.S., filled with an American flag plus the words “Americans helping Americans.”
Burton-Conner bake sale	Wednesday, Sept. 21, 3 to 7 p.m.	In front of Kresge Auditorium.	Cookies, brownies, cake and more
Lincoln Labs Fundraising concert	Friday, Sept. 23, noon	Lincoln Laboratory, in the main cafeteria.	
Hurricane Katrina Benefit Concert	Saturday, Sept. 24, 9 p.m.	Student Center, Lobdell	Benefit concert featuring New Orleans-native music, donations encouraged.

SOURCES — [HTTP://WEB.MIT.EDU/KATRINA](http://web.mit.edu/katrina), PUBLIC SERVICE CENTER DIRECTOR SALLY SUSNOWITZ, KARA F. PENN G, VICE PRESIDENT AND SECRETARY OF THE CORPORATION KATHRYN A. WILLMORE, LEAD SARGEANT RICHARD M. SULLIVAN, CONNER 5 GRADUATE RESIDENCE TUTOR KIERAN DOWNES G

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Rotch Library (7-238)

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Wednesday, September 21, 3-5pm
Dewey Library (E53-100)


Thursday, September 22, 12-2pm
Barker Engineering Library (10-500)

Friday, September 23, 3-4:30pm
Hayden Library (14S-100)

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Digital Instruction Resource Center (14N-132)

For more information see <http://libraries.mit.edu> click on Libraries Week



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Crowding Drops Over Summer As Frosh ‘Melt’ Away from MIT

Crowding, from Page 1

dergraduates to live in fraternities, sororities, and independent living groups, as well as look into building a new dormitory. According to a previous housing plan, however, at least part of a new dormitory’s capacity might be taken up by displaced students whose regular dormitories could be closed for renovations.

Crowding relieved over summer

The Housing Office begins estimating crowds at the beginning of the summer, based on the numbers of upperclassmen confirmed for housing, incoming freshmen accepted, and transfer students. “Most schools open at 105 percent [of capacity] to account for students who leave,” Smedick said. “We want to make sure we’re at the maximum housing capacity

throughout the year, while still taking into consideration the needs of students, knowing that more than five percent crowding could potentially create a level of dissatisfaction.” Throughout the summer, upperclassman cancellations and freshman called “melts” — admitted students who cancel or defer — lowered the initial estimate of 86 crowded students to 71.

Send errors that call for correction* to news@tt.mit.edu
*—other ones, too

Police Log

The following incidents were reported to the MIT Police between Sept. 7 and Sept. 13. This summary does not include incidents such as suspicious activity, false alarms, general service calls, medical shuttles, or isolated incidents of theft.

Sept. 7: Massachusetts Ave. at Albany St. — victim hit with a stick by a homeless man who then fled the scene; the man was taken into custody at Central Square, and the arrest was made.

Sept. 8: Walker Memorial (142 Memorial Dr.) — unknown person sleeping in room 352, person evicted from room.

Sept. 11: Nu Delta (460 Beacon St.) — students throwing furniture from the roof, broke a car windshield. Boston Police were on the scene, but the furniture was not thrown from the roof of 460.

Sept. 12: 171 Bay State Rd. — Someone’s car was towed from the rear of 155 Bay State Rd. When she went to pick it up it had been keyed, and there was a threatening letter on the hood. Ames St. and Main St. — Pedestrian hit by a motor vehicle.

—Compiled by Marjan Rafat and Manisha Manmohan with assistance from other members of the MIT Crime Club.

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and

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Puzzled, Curious Faces Gather Around Bldg. 54 As the Ionosphere Sings

Ionosphere, from Page 1

counter its sound, searching for the source of the unfamiliar reverberations. Some liken the experience to an “airplane circling overhead,” but the low, oscillating rumbling is perhaps best described as the sound of a “big didgeridoo.”

“I hope it inspires,” said Bodle, whose background is in the visual arts and architecture. The project is a “collaboration between scientists and artists,” showing how science and art can coexist.

Although primarily an artistic experience, the bizarre noises reverberating over the Charles are deeply rooted in science. The source is “pink noise,” obtained when ionospheric plasma, excited from the sun’s rays, releases energy by a variety of means including faint ion-acoustic waves. Throughout the day, the ionosphere absorbs and then emits different amounts of energy from the sun, producing a pulsating hum of dynamic pitch.

Waves elicit many responses

If you have had the good fortune to stroll past the show, you may have encountered an unusual milieu surrounding Building 54. Clumps of onlookers, necks strained toward the sky, gaze up toward the 35-channel speaker system mounted on the south side of Cambridge’s tallest registered building.

This wonder of science, broadcast daily, has left some MIT students and faculty puzzled during their lunchtime commute. Those who have come to witness the noise share the experience like a close secret between friends. Casual

passersby either ignore the deep resonance altogether, no doubt contemplating their hectic lives, or appeared baffled by the scene.

As a visual artist, Bodle has created a musical exhibit that focuses on the artistic presentation in addition to the sounds themselves. So far, viewers have demonstrated a “great response,” but have also had “a few complaints from occupants inside the building,” Bodle said.

However you choose to categorize the experience, Carrie Bodle’s vision for the project is finally being realized after long stages of planning and revision. “We had to take many precautions” to protect the building, she said, “especially with the clamping system and nylon sheets to pad the speakers against the walls.”

Begun in October, “Sonification / Listening Up” was intended to run in May but experienced setbacks with regard to safety. After issues with the clamping system were resolved, workers along with a skeleton team of friends and MIT students assembled and mounted the revised apparatus last week.

Listening to the sound of the upper atmosphere may not improve problem set grades, but students and others nonetheless pause to listen to the sound of science being united with art. With an ever-increasing detachment from nature and the outside world, it may sometimes take the exotic thrum of ionospheric waves to make us stop and notice our surroundings.

“Sound Off” will be presented this Friday, Sept. 16 from 5–7 p.m. at the Green Building. Admission is free and food will be provided.

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Tuesday 9/27, 5 to 7pm
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Monday 9/26, 5 to 7pm
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Wednesday 9/28, 5:30 to 7pm
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MIT-Japan Program
Student Center, West Lounge
Thursday 9/15, 5:30 to 7pm
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MA Legislators Vote Down Bill That Would Ban Gay Marriage

By Pam Belluck
THE NEW YORK TIMES

BOSTON
In a sign that the legalization of same-sex marriage has changed the political landscape in Massachusetts, the legislature soundly defeated a proposed constitutional amendment on Wednesday to ban gay marriage and create civil unions, an amendment that lawmakers gave preliminary approval to in a raucous constitutional convention last year.

Wednesday's 157-39 vote by a joint session of the House and Senate partly reflected the fact that some legislators now consider same-sex marriage more politically acceptable, after a largely conflict-free year in which some 6,600 same-sex couples got married and lawmakers who supported it got re-elected.

The vote also reflected some lawmakers' reluctance to pass a bill that could either withdraw rights from already married couples or create a class of married gay men and lesbians and a class of those unable to marry.

Indeed, Sen. Brian P. Lees, a Republican who is the minority leader and who co-sponsored the amendment, which received preliminary approval from the legislature in March 2004 in a 105-92 vote, said he voted against it Wednesday.

"Today, gay marriage is the law of the land," Lees said, noting that same-sex marriage became legal in May 2004. Voting for the amendment, he said, would mean "taking action against our friends and neighbors who today are currently enjoying the benefits of marriage."

Saying he had heard from over 7,000 constituents, most against the amendment, Lees added, "Gay marriage has begun and life has not changed for the citizens of the commonwealth, with the exception of those who can now marry who could not before."

Wednesday's vote also reflected a change in the strategy of opponents of same-sex marriage.

Last year some legislators who opposed both same-sex marriage and civil unions voted for the amendment because they considered it their best chance at preserving marriage as only for heterosexuals.

This year, after it appeared that the amendment would fail, many opponents of same-sex marriage started a citizens' petition for a stricter amendment that would ban same-sex marriage without creating civil unions.

The earliest that amendment, endorsed by Gov. Mitt Romney, could become law is 2008. Supporters must get 65,000 signatures, the votes of 50 lawmakers in two consecutive legislative sessions and the approval of voters in a referendum. Both sides expect a difficult fight.

Rep. Philip Travis, a Democrat and opponent of same-sex marriage, argued Wednesday for the stricter amendment.

"The union of two women and two men can never consummate a marriage," Travis said. "It's physically impossible. We can't get around that."

In contrast to last year's long sessions packed with activists,

Wednesday's session lasted two hours and drew smaller, calmer crowds.

Juan Carlos Huertas was one of a few dozen opponents of same-sex marriage singing Christian hymns at the statehouse. Huertas said that the idea that marriage is between a man and a woman is "written in the Scripture."

Nearby were about 200 supporters of same-sex marriage, some with T-shirts or buttons that said "I Do."

For weeks, same-sex couples and supporters met with legislators to present their case. Elaine Lamy, 49, and Chris Hannibal, 50, of Quincy, who married last year, met


with Rep. Bruce J. Ayers and Sen. Michael W. Morrissey, who was also lobbied by the women's heterosexual neighbors. On Wednesday, the women saw the two legislators, both Democrats who had supported the amendment, vote against it.

Sen. James E. Timilty, a Democrat who last year supported the amendment, also changed his mind.

"When I looked in the eyes of the children living with these couples," Timilty said, "I decided that I don't feel at this time that same-sex marriage has hurt the commonwealth in any way. In fact I would say that in my view it has had a good effect for the children in these families."





LIANG HONG—THE TECH
Dr. Muhammad Yunus, prominent micro-lending pioneer and founder of Grameen Bank, delivered a talk, "Ending Global Poverty," to a capacity crowd in 32-123 this past Wednesday, Sept. 14.



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<http://web.mit.edu/scholarships/details/killam.htm> Contact: Jennifer Cook jacook@mit.edu or x3-0676

Solution to Bonus Crossword

from page 11

I	N	D	E	C	E	N	T	B	I	A	S	E	S
M	O	O	R	A	G	E	S	A	C	C	E	N	T
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NEED A RIDE?

By Scott Helman
THE BOSTON GLOBE

Governor Mitt Romney raised the prospect of wiretapping mosques and conducting surveillance of foreign students in Massachusetts, as he issued a broad call yesterday for the federal government to devote far more money and attention to domestic intelligence gathering.

In remarks that caused alarm among civil libertarians and advocates for immigrants rights, Romney said in a speech to the Heritage Foundation that the United States needs to radically rethink how it guards itself against terrorism.

“How many individuals are coming to our state and going to those institutions who have come from terrorist-sponsored states?” he said, referring to foreign students who at-

tend universities in Massachusetts. “Do we know where they are? Are we tracking them?”

“How about people who are in settings — mosques, for instance — that may be teaching doctrines of hate and terror,” Romney continued. “Are we monitoring that? Are we wiretapping? Are we following what’s going on?”

As he ponders a potential run for president in 2008, Romney has positioned himself as a homeland security expert: He sits on a federal homeland security advisory council, is active on the issue with the National Governors Association, and repeatedly speaks about the lessons the country has learned from the terrorist attacks of Sept. 11, 2001 and, more recently, from Hurricane Katrina.

Romney, who referred to him-

self yesterday as “red-state folk,” has also struck more conservative postures on social issues that may alienate voters in Massachusetts but endear him to the Republican electorate nationwide; his tough talk on antiterrorism measures could also earn him support among conservatives.

His latest message is that the United States needs to shift its focus from response to prevention: Instead of spending billions on training and equipment to react to an attack, he argues, the country ought to work on stopping one.

"It is virtually impossible to have a homeland security system based upon the principles only of protecting key assets and response," he told an audience of about 100. "The key to a multilayered strategy begins with effective prevention, and, for

me, prevention begins with intelligence and counterterror activity.”

But that activity is deeply troubling to civil rights groups. Ali Noorani, executive director of the Massachusetts Immigrants and Refugee Advocacy Coalition, called the methods Romney suggested misguided and ineffective. Tracking people based on their ethnicity, he said, will only sow resentment among immigrant communities and prevent their cooperation with authorities.

“Blanket eavesdropping and blanket profiling only erodes the safety and security of our country,” Noorani said. “People who really know what national security is and what intelligence is realize that we need to build trust between law enforcement and immigrant communities.”

Elyes Yaich, president of the Islamic Society of Northeastern University, said that foreign students, especially those from Islamic countries, already face unfair scrutiny coming to the United States and that subjecting them to specialized monitoring would further invade their right to privacy.

"It's something that shouldn't happen," Yaich said. "If they're going to do surveillance, why not do it for synagogues and churches, too?"

Nancy Murray, director of education for the American Civil Liberties Union of Massachusetts, said international students are already forced to submit personal data to a federal database designed to let the government closely track them. Keeping closer tabs would only cause a greater chilling effect on scholars coming here from other countries.

"Now they're beginning to think, 'Well, why don't we just go somewhere else?' " Murray said. "We are really going to fall behind. It's very shortsighted."

Asked to respond to that criticism, Romney spokeswoman Julie Teer said last night that the governor has a "realistic view" of what it takes to fight terrorism.

"The governor believes we can strike a balance between what is necessary to protect our homeland while respecting individual freedom and liberty," Teer said.

Romney said he believes that both state and federal governments have a role in intelligence-gathering. It is the FBI's job to do wiretapping and surveillance, he said, but Massachusetts has a responsibility to collect any useful information it can.

Central to that is a facility opened last year at the State Police headquarters in Framingham designed to be the clearinghouse for a variety of intelligence gathered in the state. At the facility, which state officials call "the fusion center," analysts armed with tips and information from residents, police, water-meter readers, and others, will pore through the data, look for patterns, and contact Washington about anything noteworthy.

Romney wants to see every state have such a system, which allows it to easily send intelligence to Washington and easily get intelligence back.

"It's the state's responsibility to figure out how to gather that information and fuse it together ... to determine where the real threats exist," Romney said.

The ACLU has been critical of the fusion center. The group has asked whether collecting loads of data, much of which is sure to prove useless, is the most effective way to prevent a terrorist attack.

"It just seems like we're getting more and more driven by the need to fight the war on terrorism in a very counterproductive way," Murray said.

Romney stressed in his address at the Heritage Foundation that the country's antiterrorism and military operations have to be "nimble, agile, and fast-moving." He said the distribution of antiterrorism money after 9/11 was haphazard and ineffective.

Cities and towns in Massachusetts and nationwide seized the opportunity to buy new fire trucks and unnecessary equipment, he said. "It was everybody grabbing money as fast as we could."

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SPORTS

Women's Volleyball Team Looks Strong in Win Against Wellesley

By Travis Johnson
ASSOCIATE SPORTS EDITOR

MIT Women's Volleyball won an exciting first game and dominated the second and third games to secure a victory against Wellesley on Tuesday.

The Engineers played with an intensity and precision that Wellesley had trouble matching. In each game, MIT grabbed the lead early and refused to relinquish it; the only deficits MIT faced all match were early 1-2 holes in each of the games.

Serving as motivation for MIT was the loss they suffered at the hands of Wellesley three days earlier. In that match, MIT jumped to a two games to none lead but saw their defense falter with the Wellesley team coming back to win the match 3-2.

"We were looking for redemption," said Coach Paul Dill after Tuesday's game. It was clear from warm-ups that there was an extra bounce in

MIT's step, that they really wanted this one. "They were very pumped to show them ... what we were really about," Dill said.

The crowd didn't hurt either: a big and excited crowd, by MIT standards, chanted, "Let's go Tech!" and yelled "Boom!" when one of the hitters went for a kill.

The first game was a show of resilience by the Engineers, as they faced six tie scores after the first point and won all six. At 19-19, Wellesley was hot, winning 11 of the last 17 points. The teams played a long point, with dig after dig, that eventually resulted in a Wellesley miss hit and a 20-19 lead for MIT.

The first game ended similarly. The teams were tied 28-28 when Alex N. Huston-Carico '08 killed a point, and Wellesley made an unforced error to give MIT the 1-0 lead in sets.

The second and third sets were more one-sided, with MIT dominating by 30-17 and 30-16.

MIT played well on offense, led by the 28 assists from co-captain

Austin Zimmerman '06, and had better defense, led by the other co-captain Arlis A. Reynolds '06 who had 23 digs.

"The defense was 10 times better today," said Dill. "Just because it was very, very steady, we really put them under a lot of pressure, and we just never let up."

The statistics back up Dill's statement: MIT made only four reception errors (when they try to dig an opponent's attack but only knock it out of bounds).

The win puts MIT at 6-3, overall, 1-0 in the NEWMAC. Dill is optimistic about the season: "What I really like about this team is the team chemistry we have ... And I think we're much better defensively this year both blocking-wise and floor defense."

With their key players returning from last year and playing the way they did Tuesday, the team has every reason to believe they will improve on last year's second place finish in the conference.

NFL Week 2: Bet on the Jags To Best the Colts in an Upset

By Yong-Yi Zhu
COLUMNIST

This weekly column will preview NFL action as well as give you an idea of who to take with betting lines.

Column

Game of the Week: Jaguars at Colts

The Indianapolis Colts are a favorite to make the Super Bowl. The Jaguars are an up-and-coming team hoping to make the playoffs. On paper, most lines give the Colts a 9-point cushion. Trust me: this will be much closer.

Jaguar QB Byron Leftwich looks more comfortable than ever under the new Carl Smith offensive system. The Colts have solid offense and mediocre defense, although they stopped Baltimore last week.

I take the Jags. They might not win in the end because of a missed field goal or squandered redzone opportunity, but they will stick with the defending AFC South champs.

Upset Special: Browns at Packers

The Packers were horrible last weekend. To add injury to insult, they lost Jevon Walker for the rest of the season. Not even Mr. Iron Man Favre could save them. While most predict the Packers by a touchdown or more, I would take the Browns in a heartbeat.

The Rundown

Patriots at Packers: This nearly made game of the week, but the Panthers don't look as good after losing to New Orleans and losing Pro Bowl DT Kris Jenkins. New England does the same thing week in and week out; they look to destroy the opponent. Panther destruction is imminent.

Vikings at Bengals: Vikings QB Culpepper needs to step up, especially coming off a three-interceptions game. The Vikings no longer have WR Randy Moss, and they are feeling it. They won't do well against the Bengals, who have a real receiving group on top of RB Rudi Johnson. This game will not be as close as expected; the Bengals will run away with the game.

Steelers at Texans: Steelers' QB Roethlisberger continues to roll. Houston QB David Carr, on the other hand, has looked awful. Both trends will continue this week. The Steelers will win by at least a touchdown, even on the road.

49ers at Eagles: The Eagles

must win. The loss to the Falcons last week was tough to swallow; they are going to come back and pummel the Niners.

Bills at Buccaneers: The new Bills team cannot seem to punch it into the endzone. That will be the killer since the Bucs score touchdowns, not field goals. Tampa will win by at least a field goal.

Rams at Cardinals: The St. Louis Rams lost to the Niners last week. Meanwhile, WR Larry Fitzgerald was amazing for the Cardinals while WR Anquan Boldin could be as big a threat. They will easily handle the Rams, who have to rely on the unreliable arm of QB Marc Bulger.

Falcons at Seahawks: Seahawks RB Sean Alexander did little damage last week. Since the running game is the crux of the Seahawk offense, they will not manage many points. Falcon QB Vick and the Falcon rushing attack will completely break the Seahawk defense down.

Redskins at Cowboys: The Redskins are undefeated and have a good defense, but they do not have a chance against the Cowboys. I have a strange feeling that Cowboys RB Julius Jones will manage more than 31 yards. The Cowboys will win by at least a touchdown.

Dolphins at Jets: The Dolphins are better than expected, even as RB Ricky Williams serves his suspension. The Jets are worse than expected; they were shut out for the first 59 minutes against the Chiefs. They won't fare better against a defense anchored by Jason Taylor. Take Miami.

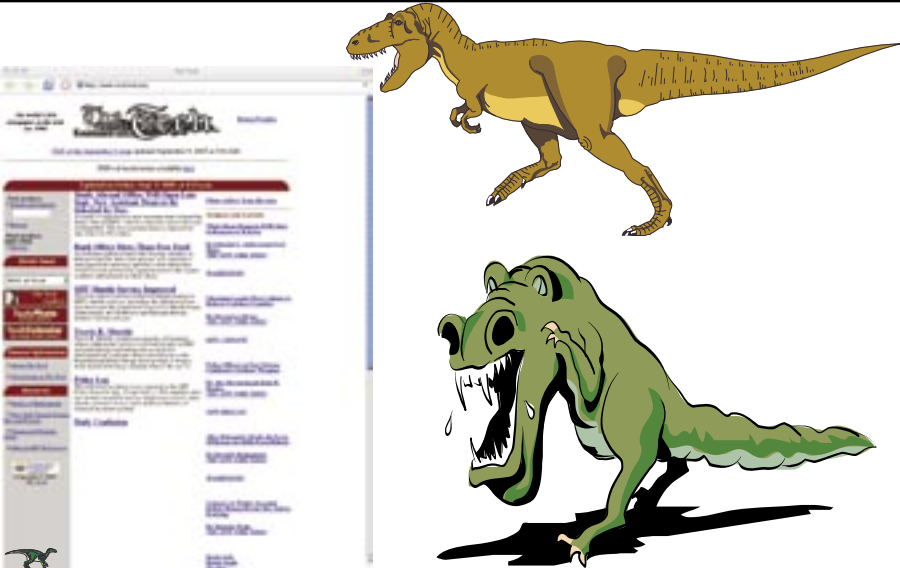
Chargers at Broncos: The Broncos lost to the Dolphins last week. Chargers QB Drew Brees and RB LaDanian Tomlinson will roll right over them. Not even Maurice Clarett can help them now.

Chiefs at Raiders: No real contest here.

Giants at Saints: The Giants special teams helped them run up the score against the Cardinals last week, despite their offense not gaining many yards. They need to move the ball more effectively. I look for the Saints to win another one.

Ravens at Titans: I'll take the lesser of two evils and pick the Ravens, even though they couldn't produce against the Colt defense.

Lions at Bears: The Lions have a bunch of scary receivers, especially the young ones: Charles Rogers and Mike Williams. The Bears couldn't do anything against the Redskins.



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UPCOMING HOME EVENTS

Saturday, Sept. 17:	
Varsity Sailing Hatch Brown Trophy	9:00 a.m., Charles River
Varsity Sailing Metro Series Two	9:30 a.m., Charles River
Varsity Men's Water Polo vs. Queens College	12:30 p.m., Zesiger Center
Varsity Women's Tennis vs. Mount Holyoke College	1:00 p.m., Du Pont Tennis Courts
Varsity Football vs. Massachusetts Maritime Academy	1:00 p.m., Steinbrenner Stadium
Varsity Men's Water Polo vs. Iona College	3:30 p.m., Zesiger Center
Varsity Women's Soccer vs. Salem State College	4:30 p.m., Steinbrenner Stadium
Sunday, Sept. 18, 2005	
Varsity Sailing Hatch Brown Trophy	9:00 a.m., Charles River
Varsity Men's Water Polo vs. St. Francis College	9:30 a.m., Zesiger Center
Tuesday, Sept. 20, 2005	
Varsity Women's Soccer vs. Fitchburg State College	4:00 p.m., Steinbrenner Stadium